

AP54900SU-N**Polyclonal Antibody to Dynactin subunit 3 - Serum**

Quantity:	0.2 ml
Background:	This gene encodes the smallest subunit of dynactin, a macromolecular complex consisting of 10 subunits ranging in size from 22 to 150 kD. Dynactin binds to both microtubules and cytoplasmic dynein. It is involved in a diverse array of cellular functions, including ER-to-Golgi transport, the centripetal movement of lysosomes and endosomes, spindle formation, cytokinesis, chromosome movement, nuclear positioning, and axonogenesis. This subunit, like most other dynactin subunits, exists only as a part of the dynactin complex. It is primarily an alpha-helical protein with very little coiled coil, and binds directly to the largest subunit (p150) of dynactin. Alternative splicing of this gene generates 2 transcript variants. Transcript Variant: This variant contains an additional 97 nt within the 3' coding region, as compared to variant 1 resulting in a frame-shift. Isoform 2 encoded by this variant has a different, and 10 aa shorter C-terminus than isoform 1.
Uniprot ID:	Q9Z0Y1
NCBI:	NP_001153037.1
GeneID:	53598
Host:	Rabbit
Immunogen:	Synthetic peptide derived from an internal domain of Mouse DCTN3
Format:	State: Lyophilized serum Preservatives: None Reconstitution: Restore in distilled water.
Applications:	ELISA. Western Blot: 1/200-1/2000. Immunohistochemistry: 1/50-1/500. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Reacts with Mouse 21 kDa Dctn3 protein.
Species Reactivity:	Tested: Mouse. Expected from sequence similarity: Human.
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing. Shelf life: one year from despatch.